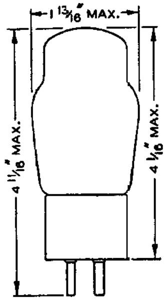
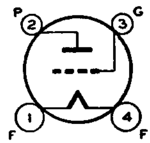


RCA-71-A



POWER AMPLIFIER

The 71-A is a power-amplifier tube of low-output impedance for use in the output stage of audio-frequency amplifiers.

CHARACTERISTICS

Filament Voltage (A. C. or D. C.)			5.0	Volts
Filament Current			0.25	Ampere
Plate Voltage	90	135	180 *max.*	Volts
Grid Voltage*	−16.5	−27	−40.5	Volts
Plate Current	10	17.3	20	Milliamperes
Plate Resistance	2170	1820	1750	Ohms
Amplification Factor	3	3	3	
Transconductance	1400	1650	1700	Micromhos
Load Resistance	3000	3000	4800	Ohms
Self-Bias Resistor	1600	1700	2150	Ohms
Undistorted Power Output	0.125	0.4	0.79	Watt
Grid-Plate Capacitance			7.5	$\mu\mu$f
Grid-Filament Capacitance			3.2	$\mu\mu$f
Plate-Filament Capacitance			2.9	$\mu\mu$f
Bulb				ST-14
Base				Medium 4-Pin Bayonet

* For operation on a-c filament supply, increase grid-bias voltage 2.5 volts. The d-c resistance in the grid circuit should not exceed 0.5 megohm.

INSTALLATION AND APPLICATION

The **base** pins of this tube fit the standard four-contact socket which should be installed to hold the tube in a vertical position.

The coated **filament** of the 71-A may be operated from a storage battery or from the a-c line through a step-down transformer. For operation of this tube from a storage battery, a fixed or variable resistor of suitable value is required to reduce the battery voltage to 5.0 volts across the filament terminals at the socket.

Operating conditions are given under CHARACTERISTICS for the use of this tube in the power output stage.

An **output device** should be used to transfer power to the winding of the reproducing unit.

